

DISPOSITIO

PSOROMATUM ET PANNARIARUM.

SCRIPSIT

WILLIAM NYLANDER.

Facile patet, ipsum jam locum, in dispositione systematica rite facta speciebus singulis adtributum, iisdem determinandis multum conferre debere. Maximi igitur est momenti, ut species ordine methodico secundum affinitates naturales disponantur, nec scientiæ nomine sit dignus modus qui eas sine consilio promiscue negligenter conjiciat. Si quidem absque cura et absque ordine nihil boni in scientia præstare liceat, hoc præsertim valet de disciplina systematica, quæ synthesin efficere debet Historiæ Naturalis.

In studio Lichenum nisui in hoc sensu attento operam dedi, atque hic specimen dare quæso expositionis generum *Psoromatis* et *Pannariæ*, quam nuper elaborare tentavi. Quoad notas distinctivas inter hæc genera Lecanoreorum sat est indicare, thallum in Psoromate offerre gonidia vera, in Pannaria autem granula gonima; distinctio inter ea itaque analoga observatur ac inter *Nephroma* et *Nephromium* atque inter *Stictam* et *Stictinam*. Vix ullam differentiam genericam meliorem æstimandam crederem, quam talem, quæ absoluta est et in minutissimis quidem particulis thallinis facillime conspicua.

I. — PSOROMA (Fr. pr. p.) Nyl.

a. — Species margine apotheciorum receptaculari crenato.

1. Ps. EUPHYLLUM Nyl. in hb. Bab. — Species insignis thallo laciniato, e Nova Zelandia.

2. Ps. HYPNORUM (Hffm.) Fr. — In Europa, in America Boreali, et in America antarctica.

* Ps. PALEACEUM (Fr., Hook. *Antarct.*, sed ibi sporæ erronee 1-se-

ptatæ indicatæ in t. XXCVIII, nam in specimine auctoris eas simplices vidi). — Dania, Ins. Maclovianæ.

* Ps. CORALLOIDEUM Nyl. — Nova Zelandia (coll. Colenso, n° 4548).

3. Ps. ARANEOSUM (Bab. *N. Zeal.* p. 25). — In Nova Zelandia (*Ps. subpruinatum* Nyl. in hb. Hook.) — Nova Zelandia.

4. Ps. HISPIDULUM Nyl. in *Flora* 1855, p. 674. — Chili (coll. Lechl., n° 854).

5. Ps. CYLINDROPHORUM (Tayl. in Hook. *Journ. Bot.* 1847, p. 165). — India Orientalis.

b. — Species margine apotheciorum receptaculari (sensibus radialibus eorum) crenulato.

6. Ps. SPHINCTRINUM (Mnt.). — Ins. Borbonia, Mauritii, Prom. B. Spei, America antarctica, Tasmania, Nova Zelandia. — Var *discretum* Nyl., in Chili.

7. Ps. SUBHISPIDULUM Nyl. in *Ann. sc. nat.*, 4, XI, p. 256. — Ins. Borbonia.

8. Ps. PALLIDUM Nyl. in Mus. Paris., *Syn.* t. I, f. 23. — Fret. Magellanicum.

9. Ps. XANTHOMELANUM Nyl. in hb. Hook. — Nova Zelandia (coll. Colenso, n° 4546).

II. — PANNARIA Del.

a. — Apothecia lecanorina.

1. P. LURIDA (Mnt. sub *Collemate*). — Ins. Sandwich, Madagascar, Borbonia, Philippin. (coll. Cum., n° 2447), America Borealis.

2. P. SUBLURIDA Nyl. in *Ann. sc. nat.* 4, XI, p. 256. — Java.

3. P. FULVESCENS (Mnt.). — Polynesia, Fret. Magellanicum.

4. P. PANNOSA Del. — In terris æquinoctialibus calidis frequens.

5. P. RUBIGINOSA Del. — Europa, America, Africa, India Orientalis.

Var. *conoplea* (Ach.), in Europa.

6. P. PHOLIDOTA (Mnt.). — Chili, Mexico.

7. P. IMBRICATA Nyl. — Tasmania (hb. Hook.).

8. P. LEUCOSTICTA Tuck. — America Borealis.

9. P. BRUNNEA (Sw.) Mass. — Europa, America Borealis.

10. P. NEBULOSA (Hffm.) Nyl. — Europa.

11. *P. LUTOSA* (Ach. *Syn.* p. 309). Nyl. — Gallia.
12. *P. CHEILEA* Nyl. in hb. Carroll. — Hibernia.
13. *P. HOOKERII* (Sm.). — Scotia.
14. *P. ELÆINA* (Whlnb.) Nyl. — Lapponia.

b. — Apothecia biatorina.

15. *P. PRÆTERMISSA* Nyl. in *Sällsk. pro F. et Fl. F. Notis.* 4, p. 97. — Europa (Norvegia, Finlandia).
 16. *P. MICROPHYLLA* (Ach.) Mass. — Europa, Algeria, Asia, America Borealis.
 17. *P. SAUBINETII* (Mnt.). — Gallia.
 18. *P. MICROPHYLLOIDES* Nyl. *Chil.* p. 150. — Chili.
 19. *P. TRIPTOPHYLLA* (Ach.) Nyl. — Europa, America Borealis.
 - * *P. NIGRA* (Ach.) Nyl. — Europa, America Borealis, Nova Zelandia.
 - ** *P. CÆSIA* (Duf.) Nyl. — Europa media et calidior.
 20. *P. SCHÆRERII* Mass., ex Arn. in *Flora* 1858, p. 309. — Bavaria.
 21. *P. RUDETA* (*Lecidea rudeta* Ach. *Syn.* p. 338). — Suecia.
 22. *P. NIGRO-CINCTA* (Mnt.). — Chili.
 23. *P. NIGRO-CINEREA* Nyl. in hb. Lév. — Borneo.
 24. *P. MUSCORUM* (Ach.) Del. — Europa. — Var. *determinata* (sporis determinate 4-septatis), in Hibernia (Jones).
 25. *P. STELLATA* (Tuck. sub *Coccocarpia* in hb.). — Carolina.
 26. *P. CROSSOPHYLLA* Tuck. mscr. — Nova Anglia.
- Huic generi ante relatæ *P. erythrocarpa* Del. et *Gayana* (Mnt.) sunt *Coccocarpia* Pers. (Nyl. *Enum.* p. 109). *Pannaria subradiata* Nyl. *Prodr.* p. 68 est *Pterygium* (nec Pannaria). *Psorothichia riparia* Arn. in *Flora* 1859, p. 145, facile pro Pannaria sumpta, est *Pyrenopsis*.